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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/924,163	08/07/2001	Thane M. Larson	10012383-1	1476

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HEWLETT PACKARD COMPANY  
P O BOX 272400, 3404 E. HARMONY ROAD  
INTELLECTUAL PROPERTY ADMINISTRATION  
FORT COLLINS, CO 80527-2400

EXAMINER

VO, TIM T

ART UNIT	PAPER NUMBER
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2112

DATE MAILED: 03/12/2004

6

Please find below and/or attached an Office communication concerning this application or proceeding.

SC

## Office Action Summary

Application No.

09/924,163

Applicant(s)

LARSON ET AL.

Examiner

Tim T. Vo

Art Unit

2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 07 August 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>4.5</u> . | 6) <input type="checkbox"/> Other: _____  |

Art Unit: 2112

### **Part III DETAILED ACTION**

#### ***Notice to Applicant(s)***

This application has been examined. Claims 1-19 are pending.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

1. Claims 1-3, 6-9, 12-15 and 18-19 are rejected under 35 U.S.C. § **102(e)** as being anticipated by Chen et al. patent number 6,591,324 referred hereinafter "Chen".

2. As for claims 1, 8, 14, Chen teaches a server system comprising:

a plurality of printed circuit assemblies including at least one host processor card (see figure 2, plurality of printed circuit cards 104, first host processor card 105); a management card coupled to the plurality of printed circuit assemblies (see figure 2, second processor card 105), the management card dedicated to monitoring and managing operation of the server system (see column 4 lines 54-56, wherein the second processor card monitors the health of the first processor card 105 and if the first processor card 105 fails thereby can't manage operation of the server system the

Art Unit: 2112

second processor 105 will take over the control and continue operation on the server as disclose in column 4 lines 57-68), including monitoring and managing on-line insertion and removing of the printed circuit assemblies (see figure 2 second processor card 105, and column 3 lines 24-67, wherein each processor card 105 has the same functions to support the hot plugging task, for example, each of the processor card 105 has the power switching circuitry 122, signal switching circuitry 128 to be able to support hot plugging features such as monitoring cards 104 signal and would be able to control power of each cards 104).

3. As for claims 2, 9 and 15, Chen teaches the management card includes a management processor and a LAN switch, the LAN switch coupled to management connections of the at least one host processor card, and management connections of the management processor (see figure 2, second processor card 105 and column 4 lines 30-38 and column 3 lines 45-55, wherein the second processor 105 has the power switching 122, signal switching circuitry 128 to control networking (LAN) connection).

As for claim 3, Chen teaches a backplane for connecting the plurality of printed circuit assemblies to the management card (see figure 2, backplane 102 and column 3 lines 30-33).

4. As for claims 6-7, 12-13 and 18-19, Chen teaches providing status information on the management card (see column 4 lines 50-56).

### ***Claim Rejections - 35 USC § 103***

Art Unit: 2112

The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 4, 10 and 16 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Chen.

6. As for claims 4, 10 and 16, Chen does not expressly teach I2C bus. "Official Notice" is taken that both concept and the advantages for utilizing I2C bus in the computer system is well known and expected in the art. It would have been obvious to utilize the I2C in Chen's system to connect integrated circuits for communication because the I2C is simple and efficient means of data exchange between devices.

7. Claims 5, 11 and 17 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Chen in view of Bassman et al. patent number 6,295,567 referred hereinafter "Bassman".

8. As for claims 5, 11 and 17, Chen does not expressly teach cooling fan, temperature sensor and controlling the fan speed. However, Bassman teaches such features cooling fan, temperature sensor and controlling fan speed (see column 8 lines 35-61). It would have been obvious to a person of an ordinary skill in the art at the time the invention was made to have combined the teachings of Bassman into the teachings of Chen because

Art Unit: 2112

Bassman providing system detection from overheating, thereby preventing parts damage from overheating.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tim T. Vo whose telephone number is 703-308-5862. The examiner can normally be reached on 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on 703-305-4815. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Tim T. Vo  
Primary Examiner  
Art Unit 2112

3/8/04